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3. (Amended) The negative electrode of claim 2, wherein at least about 50 percent, by weight, of the [zinc alloy] active particles are of -200 mesh size or smaller.

4. (Amended) The negative electrode of claim 3, wherein at least about 80 percent, by weight, of the [zinc alloy] active particles are of -200 mesh size or smaller.

5. (Amended) The negative electrode of claim 1, wherein at least about 10 percent, by weight, of the [zinc alloy] active particles are of -325 mesh size or smaller.

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6. (Amended) The negative electrode of claim 5, wherein at least about 45 percent, by weight, of the [zinc alloy] active particles are of -325 mesh size or smaller.

7. (Amended) The negative electrode of claim 6, wherein at least about 80 percent, by weight, of the [zinc alloy] active particles are of -325 mesh size or smaller.

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10. (Amended) The negative electrode of claim 9 wherein the [zinc alloy] active particles include a plating material selected from the group consisting of indium and bismuth.

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7 11. (Amended) The negative electrode of claim 1 wherein at least about 25 percent, by weight, of the [zinc alloy] active particles are between about 20 and 200 mesh size.

12. (Amended) The negative electrode of claim 11 wherein at least about 50 percent, by weight, of the [zinc alloy] active particles are between about 20 and 200 mesh size.

13. (Amended) The negative electrode of claim 1 wherein the [zinc alloy] active particles are generally acicular, having a length along a major axis at least two times a length along a minor axis.

62 14. (Amended) The negative electrode of claim 1 wherein the [zinc alloy] active particles are generally flakes, each flake generally having a thickness of no more than about 20 percent of the maximum linear dimension of the particle.

15. (Amended) A negative electrode mixture for an electrochemical cell, comprising active particles selected from the group consisting of zinc particles and zinc alloy particles, the active particles being suspended in a fluid medium with the [zinc alloy] active particles comprising less than about 55 percent of the electrode mixture, by weight; the [zinc alloy] active particles including a sufficient proportion of particles of about -200 mesh size or smaller to provide an electrode resistivity of less than about 0.2 ohm-centimeters.

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16. (Amended) The negative electrode mixture of claim 15 wherein the [zinc alloy] active particles comprise less than about 45 percent, by weight, of the electrode mixture.

17. (Amended) The negative electrode mixture of claim 15, wherein at least about 10 percent, by weight, of the [zinc alloy] active particles are of -200 mesh size or smaller.

18. (Amended) The negative electrode mixture of claim 17, wherein at least about 10 percent, by weight, of the [zinc alloy] active particles are of -325 mesh size or smaller.

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19. (Amended) The negative electrode mixture of claim 15 wherein at least about 25 percent, by weight, of the [zinc alloy] active particles are between about 20 and 200 mesh size.

20. (Amended) A primary electrochemical cell having
a cathode,
an anode comprising active particles selected from the group consisting of zinc particles and zinc alloy particles, the active particles being suspended in a fluid medium, at least 10 percent, by weight, of the [zinc alloy] active particles being of -200 mesh size or smaller, and
a separator between the cathode and the anode.

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21. (Amended) The primary electrochemical cell of claim 20, wherein at least about 25 percent, by weight, of the [zinc alloy] active particles are of -200 mesh size or smaller.

22. (Amended) The primary electrochemical cell of claim 21, wherein at least about 50 percent, by weight, of the [zinc alloy] active particles are of -200 mesh size or smaller.

23. (Amended) The primary electrochemical cell of claim 22, wherein at least about 80 percent, by weight, of the [zinc alloy] active particles are of -200 mesh size or smaller.

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24. (Amended) The primary electrochemical cell of claim 20, wherein at least about 10 percent, by weight, of the [zinc alloy] active particles are of -325 mesh size or smaller.

25. (Amended) The primary electrochemical cell of claim 24, wherein at least about 45 percent, by weight, of the [zinc alloy] active particles are of -325 mesh size or smaller.

26. (Amended) The primary electrochemical cell of claim 25, wherein at least about 80 percent, by weight, of the [zinc alloy] active particles are of -325 mesh size or smaller.

27. (Amended) A negative electrode slurry for an electrochemical cell, comprising active particles selected from the group consisting of zinc particles and zinc alloy particles,